Recombinant FBCD1 protein (His tag)

Catalog Number	545432
Species	Human
Expression System	E. coli
Accession	Q8N539
Molecular Weight	Predictes a molecular mass of 27.08 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	239-461
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 239-461 aa (Q8N539) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Fibrinogen C domain-containing protein 1 (FIBCD1) fragment (residues 239-461), a stable and soluble unit designed for structural and biochemical studies. This fragment retains key characteristics of the full-length protein, offering a reliable tool for investigating acetyl group-binding receptor functions. Fibrinogen C domain-containing protein 1 (FIBCD1) is a human acetyl group-binding receptor that exhibits high-affinity, calcium-dependent binding to acetylated structures, including chitin and certain N-acetylated carbohydrates and amino acids. It does not bind non-acetylated counterparts and facilitates the endocytosis of acetylated components. The protein is localized to the membrane as a single-pass type II membrane protein, highlighting its role in cellular recognition and uptake processes.